

ABSTRACT

The present invention provides a harmful substance decomposer excelling in the capability of decomposing harmful substances. The harmful substance decomposer of the present invention is characterized in that a catalyst is supported on a silk burned product, which is obtained by burning and carbonizing a silk material at temperature of 1,000 °C or below. The harmful substance decomposer excels in the capability of absorbing, decomposing and deodorizing harmful substances, such as foul odor, waste gas, dioxin, VOC and harmful air pollutants. Specifically, since the silk material is burned at the low temperature, flexibility can be maintained so that the silk burned product becomes feasible to cope with various configurations; thus, the harmful substance decomposer can be appropriately used as, for example, filters of fan heaters, air conditioners, automobiles and other equipments.